

Total number of printed pages – 3

B. Tech
CPBM 8306

Sixth Semester Examination – 2008

ORTHOPAEDIC AND NEUROLOGY

Full Marks – 70

Time : 3 Hours

Answer Question No. 1 which is compulsory
and any **five** from the rest.

The figures in the right-hand margin
indicate marks.



1. Answer the following questions : 2 × 10
- (a) Function of Articular Cartilage and joint lubrication.
- (b) Microscopic structure of bone.

- (c) VHMWPE, its uses and biomechanical properties.
- (d) Orthosis and Prosthesis.
- (e) Spinal Deformities.
- (f) Short note on Fifth Cranial Nerve.
- (g) Silent Period.
- (h) Hounsfield Unit.
- (i) Broca's Speech Area.
- (j) Axon Reflex.

2. Define fracture. Classify fracture. Write about normal bone healing with diagram. 10
3. Different types of implants used in internal fixation of fractures and their biomechanics with diagram. 10

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Contd.

4. Indication and contra indication of joint replacement, which joints are commonly operated, write about hip joint replacement. 10
5. Write about Gait, Gait analysis. 10
6. Enumerate Spect Scanning and its application. 10
7. Discuss about Angiography and its therapeutic use in neurology. 10
8. Describe Myasthenia Gravis. 10

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